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AWSP 0-18/2

AIR WEATHER SERVICE PAMPHLET

26400

**BIBLIOGRAPHY OF DOCUMENTS PREPARED BY
WEATHER STAFF SECTIONS OF HEADQUARTERS
ARMY AIR CORPS AND HEADQUARTERS ARMY
AIR FORCES, 1937 - JUNE 1945**

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UNITED STATES AIR FORCE

FOR ERRATA

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THE FOLLOWING PAGES ARE CHANGES

TO BASIC DOCUMENT

CHANGE

AWSP 0-18/2A

AWS PAMPHLET
NO. 0-18/2A

Headquarters
AIR WEATHER SERVICE (MATS)
Scott Air Force Base, Illinois
19 February 1962

BIBLIOGRAPHY OF DOCUMENTS PREPARED BY
WEATHER STAFF SECTIONS OF HEADQUARTERS
ARMY AIR CORPS AND HEADQUARTERS ARMY
AIR FORCES, 1937-JUNE 1945

AWSP 0-18/2A, April 1961, is changed as follows:

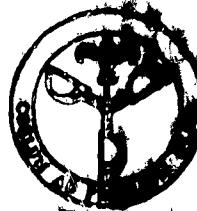
1. Make the following changes by pen and ink:

<u>Page</u>	<u>Item No.</u>
8	Insert: 4a. "Memorandum on Royal Air Force Weather Reconnaissance Manual," August 1944, 72 pp. (Mimeogr) *
51	Add to: G-19 R. Shanghai, China: (AD-39260) G-32. Singapore, Straits Settlements: (AD-39300) G-34. Hangchow, China: (AD-39252) G-40. Akyab, Burma: (AD-39206) G-41. Mandalay, Burma: (AD-39207) G-42. Rangoon, Burma: (AD-39208)
52	G-76. Saigon, French Indo-China: (AD-39298) G-80. Nanking, China: (AD-39257) G-84. Hankow, China: (AD-39253) G-85. Tientsin, China: (AD-39291) G-86. Tsingtao, China: (AD-39292) G-89. Hanoi, French Indo-China: (AD-39296)
53	G-102. Peiping, China: (AD-39259) G-106. Canton, China: (AD-39210) G-137. Kiungchow, China: (AD-39255) G-140. Kiukiang, China: (AD-39254) G-143. Yuagkia (Wenchow), China: (AD-39294) G-144. Minhow (Foochow), China: (AD-39256)
54	G-151. Hue, French Indo-China: (AD-39297) G-152. Pakhoi, China: (AD-39258) G-153. Wuchow, China: (AD-39293) G-158. Gensan, Korea: (AD-39299) G-176. Yunnanfu, China: (AD-39295) G-177. Changsha, China: (AD-39251)

2. After posting the changes, file this change in front of the pamphlet.

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HEADQUARTERS
AIR WEATHER SERVICE (MATS)
UNITED STATES AIR FORCE
SCOTT AIR FORCE BASE, ILLINOIS



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FOR THE COMMANDER

Louis A. Westphal

LOUIS A. WESTPHAL
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Assistant to Director
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HEADQUARTERS AIR WEATHER SERVICE (MATS)
 Scott Air Force Base, Illinois
 1 April 1961

BIBLIOGRAPHY OF DOCUMENTS PREPARED BY WEATHER STAFF SECTIONS OF
 HEADQUARTERS ARMY AIR CORPS AND HEADQUARTERS ARMY AIR FORCES
 1937-June 1945

PURPOSE: This Pamphlet is issued to inform AWS and other U.S. military activities of the technical documents on meteorology prepared or issued during 1937-45 by the headquarters of the Army Air Corps and Army Air Forces and now available in the files of Headquarters Air Weather Service.

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EXPLANATION

The organization for weather in headquarters of the Army Air Forces during World War II was unlike the usual staff section in that it included large units performing research, compiling climatic information and intelligence, preparing translations, and making operational forecasts. As a result several thousand technical documents on weather and climate were prepared there in this period. Many of these documents were published and given considerable dissemination but no complete list even of these was ever published. References to them still appear in the literature and there are frequent inquiries about them. Many more documents were not reproduced nor generally disseminated but are available in the files of Air Weather Service. The files are regrettably no longer complete. Of the material on hand or known to exist, a selection is catalogued here. The selection was made to eliminate very trivial items and climatological reports lacking in any original contribution or special historic value.

It is indicated in the lists where certain reports issued during 1942-45 were redesignated later (1946-51) as Air Weather Service Technical Reports or Special Studies. Only the copies of these items that were thereafter issued from Air Weather Service stocks or from the Armed Services Technical Information Agency are marked with the redesignated numbers. Some of these redesignations have now been rescinded.

Lists of Army Air Forces Manuals and War Department TM's, FM's and TB's on meteorology and meteorologically-used equipment are given in an Appendix because these were documents published by the headquarters even though they were mostly prepared by field activities.

No stock of any of these items is available, except for a few of those redesignated as AWS Technical Reports. Items for which an ATI or AD number is cited can be obtained by military activities and their contractors from the Armed Services Technical Information Agency, Arlington Hall Station, Arlington 12, Virginia. Non-military activities can purchase photostat or microfilm copies of the ASTIA items through the Office of Technical Services, Department of Commerce, Washington D.C. The OTS can sell similar copies of many of the other AAF Weather Division Reports which were printed and generally distributed. Many of the reproduced items are on file in the library of the U.S. Weather Bureau, Washington, D.C., as well as in libraries of various university meteorology departments and foreign weather services.

Items on file in Headquarters Air Weather Service are followed by an asterisk.

WAR DEPARTMENT 1937-45

HEADQUARTERS, US AIR CORPS (1937-40)Air Corps Technical Bulletins:

No. 38-2. "Aerological Diagram" (Aerologisches Diagrammpapier) by Anfinn Refsdal, Geofysiske Publikasjoner, Vol. 11, No. 13, 1937. Translated by Floyd B. Wood, 1938, 71 pp. (Mimeoogr) (ATI-113156) *

No. 38-3. "Guide to the Literature on the Subject of Ice Formation on Aircraft," (An annotated bibliography), n.d., 12 pp. (Mimeoogr) *

Circular Letters:

No. 38-23. "Thunderstorms," 29 October 1938, 2 pp. (Typescr) *

No. 39-37. "Flight in Thunderstorms," 18 July 1939, 12 pp. (Typescr) plus photographs. *

HEADQUARTERS, US ARMY AIR FORCES (1941-45)Directorate of Weather (1941-Mar 1943)Item No.

1. "Climatic Regions With Basic Military Climatic Data," prepared for the Directorate of Weather, with the cooperation of the Quartermaster Corps, by Dr. Samuel Van Walkenburg, 1942. (Lithopr) *

Weather Central Division

2. "Manual of Instructions, Report Simple Weather Observations Without Special Instruments," by US Joint Weather Central, April 1942, 8 pp. (Mimeoogr) *

3. "Thunderstorms," 1942, 15 pp. (Lithopr) *

4. "Condensation Trails," prepared by Weather Central Division, 1943, 27 pp. (Lithopr) * (Redesignated WD Report #52)

Directorate of Weather (Cont'd)

Item No.

Army Weather Central

5. "Weather and the Intelligence Officer," by Colonel Moorman, for Intelligence School, Harrisburg, Pa., July 1942, 44 pp. (Typescr) plus tables. *
6. "Flight Planning Problems for Civil and Military Aircraft," 1 August 1942, 30 pp. (Lithopr) *

Climatological Division:

Statistics Section

7. "Verification of the Krick Weather Monthly Forecast for November 1941," 2 February 1943 (Ditto) *

Publications of the Weather Research Center, Directorate of Weather

Vol. I, No. 1, "Preliminary Report on the Climate of West Africa Including the Area West of 10° East Longitude," May 1942, 6 pp. (Letterpress) *

Vol. I, No. 2, "Terminal Weather on the San Francisco-New York Airway," by H. T. Harrison, (Reprint of revision of the original report by United Air Lines, 1939, under the title "Terminal Weather on the Chicago-New York Airway," prepared by H. T. Harrison, UAL, 1 May 1941) May 1942, 96 pp. (Letterpress) *

Vol. I, No. 3, "Preliminary Report on the Climate of Central America and Northern South America, March to August," May 1942, 74 pp. (Letterpress) *

Vol. I, No. 4, "General Synopsis of Dominant Meteorological Situations From the China Coast to the Bering Sea," May 1942, 9 pp. (Letterpress) *

Vol. II, No. 1, "Flying Conditions in Eastern Maine," May 1942, 13 pp. (Letterpress) * (Redesignated AWS SS-30, Rescinded Jun 49)

Vol. II, No. 2, "Preliminary Report on Topography and Climate of British Columbia and Northwestern Alberta Including Temperature, Precipitation and Rainfall and Index of Meteorological Stations," May 1942, 10 pp. (Letterpress) *

Publications of the Weather Research Center (Cont'd)

Vol. II, No. 3, "Climate and Weather of the West Coast of Africa and the Eastern Atlantic Islands," May 1942, 40 pp. (Letterpress)*

Vol. II, No. 4, "Flying Conditions Over the Southeastern Coast of Japan the Sea of Japan and the East China Sea," May 1942, 31 pp. (Letterpress) * (Redesignated AWS SS-32, Rescinded Apr 60)

Vol. III, No. 1, "Preliminary Report on Climate and Weather of Northwestern Europe," June 1942, 72 pp. (Letterpress) * (Redesignated AWS SS-33, Rescinded Apr 60)

Vol. III, No. 2, "Weather Conditions Preceding and During the Escape of the German Battleships 'Gneisenau' and 'Scharnhorst' From Brest, France, Northward Through the Straits of Dover, February 12, 1942," by Irving P. Krick, May 1942, 9 pp. (Letterpress) *

Vol. III, No. 3, "Average and Maximum Wind Velocities at Selected Coastal Stations in United States, Hawaiian Islands, Alaska and Puerto Rico," March 1942, 7 pp. (Lithopr) *

Vol. III, No. 4, "Climate and Weather of the Asiatic Portion of the Union of Soviet Socialist Republics and of its Air Approaches," November 1942, 77 pp. (Letterpress) * (Redesignated AWS SS-34, Rescinded Apr 60)

Vol. IV, No. 1, "Discussion of Arctic Conditions by Dr. Vilhjalmur Stefansson (Special Consultant, Office Coordinator of Information) At a Conference Held at Headquarters Army Air Forces, 4 April 1942, Washington, D. C.," April 1942, 31 pp. (Lithopr) *

Publication of the Directorate of Weather

Vol. IV, No. 2, "The English Channel, Part I: Oceanography," November 1942, 105 pp. (Letterpress) * (Redesignated AWS SS 35A, Rescinded June 1949)

Publication of the Weather Information Branch

Vol. IV, No. 2, "The English Channel, Part II: Meteorology and Climatology," September 1943, 75 pp. (Lithopr) * (Redesignated AWS SS-35B, Rescinded June 1949)

Publications of the Weather Research Center

Vol. IV, No. 3, "Preliminary Climatic Atlas of the Mediterranean Region," November 1942, 19 pp. (Letterpress) *

Vol. IV, No. 4, "Collected Papers prepared by Pan-American Airways, Inc." (Reprinted by AAF) June 1942, 21 pp. (Letterpress) *

Contents:

1. "Winterflying Conditions and Air Mass Characteristics in the Guam-Manila-Hong Kong Sector," by E.B. Buxton, pp. 1-5.
2. "Summary of Flying Conditions on the Pacific Routes of Pan-American Airways, Inc.," by W. H. Clover, pp. 6-10.
3. "Notes on Weather Analysis in the Tropics," by E. B. Buxton, pp. 11-15.
4. "On the Development and Maintenance of Tropical Cyclones in the Far East," by L. H. Fennel, pp. 16-21.

Vol. V, No. 1, "Wind Roses for Canton Island, Midway Island and Noumea Island (N.C.)," prepared by Pan-American Airways, (Reprinted by AAF) 1941, 47 pp. (Lithopr) *

Vol. V, No. 2, "Summary of the state of the Ice in Arctic Seas During the Years 1935-38," June 1942, 35 pp. (Letterpress) * (Redesignated AWS SS-36, Rescinded Apr 60)

Vol. V, No. 3, "Climate and Weather of Southeastern Asia, Part I: India, (Pt. I). Burma, and Southern China," May 1942, 129 pp. (Letterpress) * (Redesignated AWS SS-37A, Rescinded Apr 60)

Publication of the Weather Information Branch

Vol. V, No. 3, "Climate and Weather of Southeastern Asia, Part II: Farther India and the Netherlands East Indies," May 1942, 141 pp. (Lithopr) * (Redesignated AWS SS-37B, Rescinded Apr 60)

Publication of the Weather Research Center

Vol. V, No. 4, "A Discussion of Projections and the New Weather Plotting Charts of the Weather Research Center," July 1942, 15 pp. (Letterpress) *

Publication of the Directorate of Weather

Vol. VI, No. 1, "Temperature of the Surface Waters of the Atlantic Ocean," March 1943, 51 pp. (Letterpress) * Translated from German and reproduced by Oceanographic Section from Günther Böhnecke's "Die Temperatur," issued in 1938 as Part II of "Temperatur, Salzgehalt und Dichte und der Oberfläche des Atlantischen Ozeans," which is Vol. V of a series of fifteen volumes on the "Scientific Results of the German Atlantic Expedition of the Research and Survey Ship 'Meteor'" (1925-27). These reports were originally edited by A. Defant and published under the auspices of the Notgemeinschaft der Deutschen Wissenschaft by Walter de Gruyter and Company, Berlin.

Publications of the Weather Research Center

Vol. VI, No. 2, "Climate and Weather of the British Isles," November 1942, 126 pp. (Letterpress) * (Redesignated AWS SS-38, Rescinded)

Vol. VI, No. 3. (No record)

Vol. VI, No. 4, "Method for Forecasting Swell." (Not published? see Weather Division Report #239)

Vol. VII (No record)

Vol. VIII, No. 1, "Weather Stations of 15th Weather Region." (Not published?)

Vol. VIII, No. 2, "List of Stations of the 17th Weather Region." (Not pub'd?)

HEADQUARTERS ARMY AIR FORCES (1941-45)

Office ACAS, Operations, Commitments, and Requirements

Weather Division: Unnumbered Reports: These are documents originally prepared for internal use of the Division and in most cases were not disseminated elsewhere nor converted to numbered reports.

Item No.Weather Information Branch

1. "Verification of Long-Range Forecasts (An annotated Bibliography)," 1943, 12 pp. (Mimeoogr) *
2. "Verification of Short-Range Forecasts (An annotated Bibliography)," 1943, 55 pp. (Mimeoogr) *
3. "Preliminary Climatic Atlas of the World." Special Series #1 (Rev) prepared by Military Climatology Project, Inst. of Met., Univ. of Chicago, under the direction of Weather Information Branch, July 1943, with Supplement #1, July 1943 (Lithopr) *
4. "Long-Range Forecasting," by Lt. R. C. Bundgaard, circa 1943, 321 pp. (Typescr) incl. figs. *
5. "Military Uses of Weather Information, Preliminary and Revised Editions," 1943-1944, 270 pp. (Mimeoogr) * Revised ed. Hq AWS, 1947, 124 pp. (Mimeoogr) *
6. "Weather and Heavy Bombardment Operations," (Extracted from letters received from various AF Commanders) circa 1944, 3 pp. (Typescr) *
7. "Weather Types and Their Use in Forecasting." Paper presented by Lt. Colonel I. P. Krick before the Royal Navy at the Admiralty in London, 6 December 1944, 21 pp. (Lithopr) *
8. "An Annotated Bibliography of Some Early Uses of Punched Cards in Meteorology and Climatology," by Capt M. C. George, 1944, 14 pp. (Ditto). (Published in Bull. Amer. Met. Soc., March 1945, pp. 76-84) *
9. "Direct Observational Methods for the Determination of Swell Characteristics from Aircraft." (Published as AWS TR 105-16, June 1945) (ATI-70921) *

Verification Section

10. "Method of Rating Short-Range Forecasts," 7 June 1943, 16 pp. (Ditto) *
11. "Method of Verification of Long-Range Forecasts of Precipitation and Weather Class," 26 October 1943, 10 pp. (Mimeoogr) *

Weather Division (Cont'd)Item No.Weather Information Branch (Cont'd)Verification Section (Cont'd)

12. "Short-Range Forecast Verification Program," November 1943, 31 pp. (Lithopr) *
13. "Short-Range Forecast Verification Program," June 1944, 11 pp. (Lithopr) *
14. "Forecasting With the Aid of Analogues," 1944, 20 pp. (Typescr) plus 17 pp. (Ditto) *

Map Files Section

15. "Bibliography of Synoptic Weather Maps at the Surface Level; Upper Air Charts; Miscellaneous Maps, Charts, Tables etc.," July 1943, 23 pp. (Mimeoogr) *

Climatic Section

16. "Night Illumination Diagrams," 1943, 3 pp. (Typescr) plus figs.*
17. "Notes on Ballistic Densities Over Japan," 1945? 4 pp. (Typescr) *

Oceanographic Section

18. "Oceanographic Information Essential to the Army Air Forces' Weather Service," by Major H. R. Seiwel, 5 November 1943, 12 pp. (Typescr) *

Weather Information Branch"Summary of Important Newspaper and Radio Reports Specifically Mentioning Weather as Affecting Military Operations":

19. Jul 29, 1943 to Aug 4, 1943 inclusive (2304-2268) *
20. Aug 5, 1943 to Aug 11, 1943 inclusive (2305-2337) *
21. Aug 12, 1943 to Aug 18, 1943 inclusive (2338-2380) *
22. Aug 19, 1943 to Aug 25, 1943 inclusive (2381-2406) *
23. Aug 26, 1943 to Sep 1, 1943 inclusive (2407-2428) *
24. Sep 2, 1943 to Sep 8, 1943 inclusive (2429-2461) *
25. Sep 9, 1943 to Sep 15, 1943 inclusive (2462-2495) *
26. Sep 16, 1943 to Sep 22, 1943 inclusive (2496-2520) *
27. Sep 23, 1943 to Sep 29, 1943 inclusive (2521-2550) *
28. Sep 30, 1943 to Oct 6, 1943 inclusive (2551-2591) *
29. Oct 7, 1943 to Oct 13, 1943 inclusive (2592-2631) *

Weather Division (Cont'd)Item No.Weather Information Branch (Cont'd)

- 30. Oct 14, 1943 to Oct 20, 1943 inclusive (2632-2660) *
- 31. Oct 20, 1943 to Oct 26, 1943 inclusive (2661-2679) *
- 32. Oct 27, 1943 to Nov 3, 1943 inclusive (2680-2709) *
- 33. Nov 4, 1943 to Nov 10, 1943 inclusive (2710-2745) *
- 34. Nov 11, 1943 to Nov 17, 1943 inclusive (2746-2787) *
- 35. Nov 18, 1943 to Nov 24, 1943 inclusive (2788-2825) *
- 36. Nov 25, 1943 to Dec 1, 1943 inclusive (2826-2863) *

"An Analysis of the Weather Factor in This War":

- 37. Dec 1943 *
- 38. Jan 1944 *
- 39. Feb 1944 *
- 40. Mar 1944 *
- 41. Apr 1944 *
- 42. May 1944 *
- 43. Jun 1944 *
- 44. Jul 1944 *
- 45. Aug 1944 *
- 46. Sep 1944 *
- 47. Oct 1944 *
- 48. Nov 1944 *

Long-Range Research Units

- 49. "Improved Weather Type Classification for North America," Report No. 1, by Long-Range Research Units, California Institute of Technology, 14 August 1943 (Typescr) manuscript figs. *
- 50. "Improved Weather Type Classification," Report No. 2, Vols. I, II, III, by Long-Range Research Unit, Calif. Inst. of Tech., 1 November 1943. (Ozalid) *
- 51. "Methodology for Preparation of LRFA Forecasts with a Supplement on Verification," circa 1944, 6 pp. (Ditto) *
- 52. "Forecast Evaluation of Several Analogue Selection Methods," prepared by Capt J. Vern Hales, Long-Range Research Unit, Calif. Inst. of Tech., April 1944, 29 pp. (Lithopr) *
- 53. "Analogue Selection Research," letter by 2/Lt J. O. Montgomery and 2/Lt G. D. Dixon, to Capt J. Vern Hales, with manuscript tables and figs., Long-Range Research Unit, Calif. Inst. of Tech., 15 April 1944. *
- 54. "Preliminary Application of Darling's Matching Techniques to a Specific Weather Problem," by 1/Lt C. J. Todd, Long-Range Research Unit, Calif. Inst. of Tech., 21 July 1944, 7 pp. (Typescr) plus illus. *

Weather Division (Cont'd)Item No.Long-Range Research Units (Cont'd)

55. "The Work of the Massachusetts Institute of Technology Long-Range Forecast Unit of the AAF Weather Division," July 1944, 5 pp. (Typescr) *

56. "Statistical Forecasting of the Upper Air," (A Seminar on The Statistical Methods of LRFD) presented before the members of the Forecast Branch, by A. M. Kahan, et al., 30 August 1944, 10 pp. (Typescr) *

57. "The Application of Two-Dimensional Matching Tests to the Solution of Forecasting Problems (With Illustrative Examples)," by Long-Range Research Unit, Calif. Inst. of Tech., September 1944, 49 pp. (Ozalid) *

58. "The Forecasting of Tokyo Cloud Cover in December," by Long-Range Research Unit, Calif. Inst. of Tech., October 1944, 31 pp. (Ozalid) *

59. "Instructions for Use of ML_____, Pibalogram," by Long-Range Research Unit, Calif. Inst. of Tech., November 1944, 21 pp. (Ozalid) *

60. "Forecasting Cloud Cover at Nagasaki, Kagoshima and Tokyo During December, January and February," by Long-Range Research Unit, Calif. Inst. of Tech., December 1944, 37 pp. (Ozalid) *

Forecast Branch

61. "Atmospheric Density Tables," n.d. 4 pp. (Typescr) *

62. "Briefing Pilots," by Capt E. C. Snead, circa 1944, 4 pp. (Typescr) *

63. "Effect of Temperature on Artillery Fire," n.d. 5 pp. (Ditto) *

64. "Principal Components of Pressure Field," by Joseph G. Bryan, n.d. 29 pp. (Typescr) *

65. "Upper-Air Forecasting by Selection of Best Predictors," in cooperation with the Office of Flying Safety, Statistical Control Office, 1943, 28 pp. (Typescr) *

66. "Procedure for Obtaining a Sea-Level Pressure-Reduction Table from the 'Smithsonian Meteorological Tables' (S.M.T.)," n.d. 4 pp. (Ditto) *

Weather Division (Cont'd)Item No.Forecast Branch (Cont'd)

67. "Critique of Verification of Weather Forecasts," (With annotated Bibliography), January 1944, 43 pp. (Lithopr). (See also WD Report #669) (ATI-70922) *

68. "Table for Converting Altimeter Settings to Sea-Level Pressures," 21 February 1944, 2 pp. (Mimeoogr) *

69. "Instructions for Use of Weather Altitude-Pressure-Density Chart WRC 10-1," July 1944, 1 p. (Mimeoogr) plus chart. *

70. "Survey of Research on Statistical Forecasting," 1944, 11 pp. (Typescr) *

71. "Forecasting the Average Speed of the Westerlies at 10,000 Feet Across the North Atlantic from the Sea-Level Synoptic Chart," 15 November 1944, 15 pp. (Ditto) *

72. "Statement of the Long-Range Forecasting Problem," circa 1945, 3 pp. (Mimeoogr) *

Forecast Section

73. "Method for Computation of Zonal and Meridional Air-Flow Indices," by Capt G. Daams, November 1935, 6 pp. (Typescr) plus figs. *

74. "Forecast for 9 Days Beginning Thursday February 18, 1943," 4 pp. (Mimeoogr) *

75. "Forecast for 9 Days Beginning Sunday February 21, 1943," 3 pp. (Mimeoogr) *

76. "Weather and Topography in New Guinea, New Britain, and New Ireland," by Capt Lippert, et al., June 1943, 33 pp. (Typescr) plus figs. *

77. "Short-Range (Forecast) Verification," by K. C. Spengler. (Published in AAF Weather Service Bulletin, Vol. 2, No. 3, 1944, pp. 1-4)

78. "A Convenient Catalogue System for Obtaining Surface Pressure Analogues," by L. A. Boyer, and F. H. Kramer, 30 November 1944, 7 pp. (Photostat) *

79. "Verification of Weather Bureau 10,000-Foot Analogues by the Vector-Error Method," 31 January 1945, 7 pp. (Ditto) *

Weather Division (Cont'd)Item No.Forecast Branch (Cont'd)Forecast Section (Cont'd)

- 80. "Further Evaluation of the Weather Bureau 10,000-Foot Analogues," 9 February 1945, 12 pp. (Ditto) *
- 81. "The Center of Gravity Technique of Analogue Selection," 1 March 1945, 12 pp. (Ditto) *
- 82. "Punched-Card Method of Constructing Center of Gravity Decile Distribution for \bar{x} , \bar{y} , and \bar{p} ," 10 March 1945, 5 pp. (Ditto) *
- 83. "Weather Intelligence," Lecture given to the G-2 Orientation Class, by Capt R. M. Allan, 13 March 1945, 9 pp. (Ditto) *
- 84. "Computing 10,000-Foot Pressure from Surface Data," by Lt F. K. Davis, and Lt W. H. Klein, March 1945, 16 pp. (Typescr) (Published in Bull. Amer. Met. Soc., May 1945, pp. 147-152) *
- 85. "24-Hour Forecasts of the Center of Gravity Parameter, \bar{x} , \bar{y} , and \bar{p} ," 15 March 1945, 6 pp. (Ditto) *
- 86. "Conversion of Constant-Level to Constant-Pressure Data with Special Application to the 6-Kilometer and 500-Millibar Levels," 12 May 1945, 17 pp. (Ditto) *

Verification Section

- 87. "Verification Analysis of Upper-Air Forecasts of Pine Camp, New York, January 17 - February 20, 1944," 3 March 1944, 12 pp. (Ditto) *
- 88. "Relationship Between Scores of Field Forecasters and Criterion Scores," 19 April 1944, 4 pp. (Photostat) *
- 89. "Short-Range Forecast Frequency Distributions," 26 April 1944, 3 pp. (Photostat) *
- 90. "Comparison of Field Forecasters with Persistence Forecasts," 1 May 1944, 5 pp. (Photostat) *
- 91. "Study of Length of Forecasting Skill and 'Special Forecast' Scores," 7 June 1944, 10 pp. (Photostat) *
- 92. "Accuracy Levels of Short-Range Field Forecasts of Temperature and Pressure," August 1944, 13 pp. (Photostat) *

Weather Division (Cont'd)Item No.Forecast Branch (Cont'd)Verification Section (Cont'd)

93. "Analysis of Findings in Study of Accuracy Levels of Short-Range Field Forecasts of Temperature and Pressure," September 1944, 6 pp. (Photostat) *

94. "Verification of Precipitation Forecasts Made by Means of Equivalent-Potential-Temperature Charts July 5 - September 15, 1944," 14 pp. (Ditto) *

95. "Effect of Climatology and Season Upon Short-Range-Forecast Verification Program Scores," 24 October 1944, 5 pp. (Photostat) *

96. "Pet Methods or Suggestions of Field Forecasters," 25 November 1944, 18 pp. (Ditto) *

97. "A Procedure for Improving Upper-Wind Forecasts by Means of Relationships Found Between the Errors of Forecast at the Different Levels," 16 December 1944, 5 pp. (Ditto) *

98. "Forecast Accuracy by Weather Elements," 20 January 1945, 3 pp. (Photostat) *

99. "Supplement to Short-Range Verification Program Annual Report," 2 February 1945, 6 pp. (Photostat) *

100. "Forecasters' Questionnaire Study," February 1945, 60 pp. (Ditto) *

101. "Verification of University of Chicago 24-Hour Weight-Chart Prognostic Maps," 15 March 1945, 5 pp. (Ditto) *

Research Control Office (Research Executive)

102. "Note on Equivalent-Potential Temperature," by G. E. Forsythe. (Published in Bull. Amer. Met. Soc., April 1944, pp. 149-151) *

103. "Determination of the Normal Regions of Heating and Cooling in the Atmosphere by Means of Aerological Data," by Major Harry Wexler, reprinted from the Journ. of Met., Vol. 1, Nos. 1 and 2, September 1944, pp. 23-28. *

104. "Tables for Computing Cross-Wind and Drift from Pressure and Radio Altimeters," 17 January 1945, 11 pp. (Photostat) *

105. "Weather Forecasting," by Harry Wexler, 22 January 1945, 6 pp. (Typescr) *

Weather Division (Cont'd)Item No.Research Control Office (Research Executive) (Cont'd)

106. "Determining Drifts by Altimeter Method," by R. B. Doremus, G. E. Forsythe and G. A. Hunt, April 1945, 23 pp. (Lithopr) *

107. "Universal Tables and Reduction of Pressure to Sea Levels," June 1945, 22 pp. incl. tables. (Photostat) *

108. "The Structure of the September Hurricane When Off Cape Henry, Virginia," by Major H. Wexler. (Published in Bull. Amer. Met. Soc., May 1945, pp. 156-159) *

Requirements and Procedures Branch

109. "Transmissions Originated by the Weather Division," 8 August 1944, 22 pp. (Typescr) incl. 3 pp. (Ditto) *

110. "A Flight Into the September 1944 Hurricane Off Cape Henry, Virginia," by Colonel F. B. Wood. (Published in Bull. Amer. Met. Soc., May 1945, pp. 153-155) *

111. "(U) Final Report of Swell Forecast Section, Admiralty, Vol. III": (Reports by 21st Weather Squadron on its Oceanographic service), Naval Meteorological Branch, Hydrographic Dept., Admiralty, September 1944. Reprinted by Weather Division, November 1944, 10 pp. (Mimeoogr) plus photos. (CONFIDENTIAL) *

112. "(U) Final Report of Swell Forecast Section, Admiralty, Vol. IV: The Effect of Wave Heights Upon Unloading at Omaha Beach," Naval Meteorological Branch, Hydrographic Dept., Admiralty, September 1944. Reprinted by Weather Division, November 1944, 2 pp. (Mimeoogr) plus graphs. (SECRET) *

Weather Division: Numbered Reports: The series of serially numbered reports identified as "Weather Division Reports" included:

- (a) Documents prepared in the Directorate of Weather, the predecessor organization to the Weather Division.
- (b) Documents prepared by the US Weather Bureau and civilian organizations for the Directorate of Weather or the Weather Division under Contract.
- (c) Documents prepared in the Weather Division.
- (d) Documents prepared in the Weather Central Division of Headquarters Army Air Forces Weather Service during July 1945 - June 1946.

The majority of the documents were never published but existed in no more than a few typescript, photograph, or photostat copies, because they were intended to answer only an individual request. Some of those considered of wider interest were published.

The assignment of serial numbers was begun in April 1943 when the Weather Division was created. The first numbers were assigned retroactively to documents already issued by the Directorate of Weather, and therefore these numbers did not appear on the original editions of these issues.

Weather Division (Cont'd)

The following list of the Weather Division Reports eliminates many of the numbers, those of a very trivial nature, or mere quoting of climatic data and descriptions from other readily available publications. It does include all the reports which were published and all which contain original treatments or have special historical interest, as well as all translations and reprints of papers of other agencies. The numbers from 991 on were issued by the Weather Central Division of Hqs AAF Weather Service and are listed in AWS Bibl 18/1.

Items followed by "(M)" are not on file in Headquarters Air Weather Service but are on microfilm in the AWS Climatic Center, Washington D. C.

Report No.

2. "Preliminary Report on the Climate of West Africa Including the Area West of 10° East Longitude," Publication of the Weather Research Center, Directorate of Weather, Vol. 1, No. 1, May 1942, 6 pp. (Letterpress) *
3. "Terminal Weather on the San Francisco-New York Airway," by H. T. Harrison. (Reprint of revision of the original report by United Air Lines 1939 under the title "Terminal Weather on the Chicago-New York Airway" prepared by H. T. Harrison, UAL, 1 May 1941) Publication of the Weather Research Center, Directorate of Weather, Vol. 1, No. 2, May 1942, 96 pp. (Letterpress) *
6. "Preliminary Report on the Climate of Central America and Northern South America, March to August," Publication of the Weather Research Center, Directorate of Weather, Vol. 1, No. 3, May 1942, 74 pp. (Letterpress) *
8. "General Synopsis of Dominant Meteorological Situations From the China Coast to the Bering Sea," Publication of the Weather Research Center, Directorate of Weather, Vol. 1, No. 4, May 1942, 9 pp. (Letterpress)*
9. "Flying Conditions in Eastern Maine," Publication of the Weather Research Center, Directorate of Weather, Vol. II, No. 1, May 1942, 13 pp. (Letterpress) *
10. "Preliminary Report on Topography and Climate of British Columbia and Northwestern Alberta Including Temperature, Precipitation and Rainfall and Index of Meteorological Stations," Publication of the Weather Research Center, Directorate of Weather, Vol. II, No. 2, May 1942, 10 pp. (Letterpress) *
11. "Application of Wet and Dry Bulb Temperatures of the Southern North Atlantic and South Atlantic to the Bio-Climatology of Bordering Coastal Regions," May 1942, 4 pp. (Typescr) plus illus. *
12. "Climate and Weather of the West Coast of Africa and the Eastern Atlantic Islands," Publication of the Weather Research Center, Directorate of Weather, Vol. II, No. 3, May 1942, 40 pp. (Letterpress) *

Weather Division (Cont'd)Report No.

13. "Climate and Weather of Central East Asia Including the Japanese Islands," August 1943, 97 pp. incl. figs. (Text mimeogr, figs. lithopr) * (Redesignated AWS SS-1, Rescinded Apr 60)
15. "Flying Conditions Over the Southeastern Coast of Japan, the Sea of Japan, and the East China Sea," Publication of the Weather Research Center, Directorate of Weather, Vol. II, No. 4, May 1942, 31 pp. (Letterpress) *
16. "Preliminary Report on Climate and Weather of Northwestern Europe," Publication of the Weather Research Center, Directorate of Weather, Vol. III, No. 1, June 1942, 72 pp. (Letterpress) *
18. "Weather Conditions Preceding and During the Escape of the German Battleships 'Gneisenau' and 'Scharnhorst' From Brest, France, Northward Through the Straits of Dover, February 12, 1942," Publication of the Weather Research Center, Directorate of Weather, Vol. III, No. 2, May 1942, 9 pp. (Letterpress) *
19. "Average and Maximum Wind Velocities at Selected Coastal Stations in United States, Hawaiian Islands, Alaska, and Puerto Rico," Publication of the Weather Research Center, Directorate of Weather, Vol. III, No. 3, March 1942, 7 pp. (Lithopr) *
23. "General Report on World Army Clothing Types," by Robert G. Stone, New York University, 1942. (Typescr) figs. (M)
24. "Introduction Into Large-Scale Weather Research," (Einführung in die Grosswetterforschung.) by Franz Baur, 1937. Translated for Hq AAF, 1942.
30. "Fog and Low Ceiling Frequencies Along the U.S. Pacific Coast," (Revised) prepared under the direction of the Weather Research Center by Statistics Division, U.S. Weather Bureau. (Reprinted by Weather Division, March 1944) 52 pp. (Lithopr) * (Redesignated AWS SS-2, Rescinded Apr 60)
31. "Preliminary Report on Mexico, Caribbean and Northern Part of South America," prepared by Statistics Division, USWB, P.R. 18, April 1942, 154 pp. (Lithopr) *
34. "Preliminary Climatic Atlas of the Mediterranean Region," Publication of the Weather Research Center, Directorate of Weather, Vol. IV, No. 3, November 1942, 19 pp. (Letterpress) *
35. "Climate and Weather of the Asiatic Portion of the Union of Soviet Socialist Republics and of its Air Approaches," Publication of the Weather Research Center, Directorate of Weather, Vol. III, No. 4, November 1942, 77 pp. (Letterpress) *

Weather Division (Cont'd)Report No.

37. "Discussion of Arctic Conditions," by Dr. Vilhjalmur Stefansson, (Special Consultant, Office Coordinator of Information) at a Conference held at Hq Army Air Forces, 4 April 1942, Washington D.C., Publication of the Weather Research Center, Directorate of Weather, Vol. IV, No. 1, April 1942, 31 pp. (Lithopr) *

42. "Climatology of South America." (Klimakunde von Suedamerika), by K. Knoch, in: "Handbuch der Klimatologie" (ed. by Koppen and Geiger), Vol. 2, Part G, 1930. Translated at Weather Research Center, 1942, 360 pp. incl. illus. (Typescr) (ATI-110446) *

43. "Climate and Weather of Southeastern Asia, Part I: India, Burma, and Southern China," Publication of the Weather Research Center, Directorate of Weather, Vol. V, No. 3, May 1942, 129 pp. (Letterpress) *

44. "Climate Atlas of Norway" (Atlas de climat de Norvege), by H. Mohn, Geofysiske Publikationer, Vol. 2, No. 7, 1921. Translated by Climatology Division, May 1942, 11 pp. (Mimeogr) plus charts. (M)

45. "Outlines of Philippine Frontology," by Charles E. Deppermann, Manila Central Observatory, Philippine Weather Bureau, 1936, 27 pp. (Reprinted by Weather Research Center, May 1942) *

52. "Condensation Trails," prepared by Weather Central Division, compiled and published by Directorate of Weather, October 1943, 27 pp. (Lithopr) *

53. Supplement "Condensation Trails," prepared by Weather Information Branch, October 1943, 9 pp. (Lithopr) *

54. "Geography of the Atlantic Ocean" (Geographie des Atlantischen Ozeans), by Gerhard Schott. Verlag von. C. Boysen, Hamburg, 1912. Chapters V-VI only. Transl. Weather Research Center, May 1942. (ATI-110448)*

55. "Climatology of East India and East Indian Islands" (Klimakunde von Hinterindien und Insulinde), From: "Handbuch der Klimatologie," ed. by Koppen und Geiger, Vol. 4, Part R, Borntraeger Bros., Berlin, 1931. Transl. by Weather Research Center, 1942, 180 pp. (Typescr)* (Printed as NAVAER 50-1R-bl, January 1944, 111 pp.)

60. "Climate and Weather of the British Isles," Publication of the Weather Research Center, Directorate of Weather, Vol. VI, No. 2, November 1942, 126 pp. (Letterpress) *

61. "Climate and Weather as Related to Flight Conditions Along the West Coast of South America," prepared for the Directorate of Weather, in cooperation with the Statistics Division, USWB, P.R. 32, circa 1944, 93 pp. (Lithopr) * (Redesignated AWS SS-3, Rescinded Apr 60)

Weather Division (Cont'd)Report No.

67. "Storm Types," prepared by Statistics Division, USWB, S.R. 27, 1942, 47 pp. (Lithopr) *

68. "Temperature of the Surface Waters of the Atlantic Ocean," by Günther Böhnecke. Translated from German and reproduced by Oceanographic Section, Publication of the Directorate of Weather, Vol. VI, No. 1, March 1943, 51 pp. (Letterpress) *

69. "Frontology of North Africa" (La Frontologie en Afrique du Nord), by L. Petitjean, Beiträge zur Physik der Freien Atmosphäre, Bd XIX, 1932, pp. 163-173. Translated and reprinted by Weather Information Service, April 1943, 16 pp. (Lithopr) (ATI-110389) *

76. "Wind Roses for Canton Island, Midway Island, and Noumea Island (N.C.)," prepared by Pan-American Airways, 1941. Reprinted by AAF, Publication of the Weather Research Center, Directorate of Weather, Vol. V, No. 1, May 1942, 47 pp. (Lithopr) *

80. "Wing Icing Conditions Over North Atlantic and Adjacent Land Areas." (Typescr) plus figs. (M)

81. "Preliminary Report on the Climate of Guadeloupe (Leeward I.)," (Typescr) plus figs. (M)

84. "Some Peculiarities in the Distribution of Winds Over Ashkhabad According to Data of Pilot-Balloon Observations for the Year 1928." (Typescr) plus figs. (M)

85. Collected Papers prepared by Pan-American Airways, Inc., June 1942, 21 pp. (Letterpress) * Reprinted by AAF, Publication of the Weather Research Center, Directorate of Weather, Vol. IV, No. 4, 1942.

Contents:

1. "Winterflying Conditions and Air Mass Characteristics in the Guam-Manila-Hong Kong Sector," by E. B. Buxton, pp. 1-5.
2. "Summary of Flying Conditions on the Pacific Routes of Pan-American Airways, Inc., by W. H. Clover, pp. 6-10.
3. "Notes on Weather Analysis in the Tropics," by E. B. Buxton, pp. 11-15.
4. "On the Development and Maintenance of Tropical Cyclones in the Far East," by L. H. Fennel, pp. 16-21.

89. "Summary of the state of the Ice in Arctic Seas During the Years 1935-38," Publication of the Weather Research Center, Directorate of Weather, Vol. V, No. 2, June 1942, 35 pp. (Letterpress) *

Weather Division (Cont'd)

Report No.

90. "Tactical Use of Cloud," by C. E. Palmer, Tech Note No. 26-40, Bureau of Aeronautics. Reprinted with consent of Navy Dept., by Weather Research Center, June 1942, 9 pp. (Ditto) *

98. "Weather Conditions During the Polar Flight of the 'Graf Zeppelin'" (Wetterlage bei der Polarfahrt des 'Graf Zeppelin') by Ludwig Weickmann, Beiträge zur Physik der freien Atmosphäre, Vol. 19, 1932, pp. 306-310. Translated by Weather Research Center, June 1942, 8 pp. (Ditto) (ATI-145125) *

99. "Studies of Fronts in Australia" (Frontologie Untersuchungen in Australien), by L. Lammert, Beiträge zur Physik der freien Atmosphäre, Vol. XIX, 1932, pp. 203-219. Translated by the Weather Information Service, February 1943, 20 pp. (Lithopr) (ATI-110434) *

104. "A Situation of Extreme Carburetor Icing." (Typescr) plus figs. (M)

107. "A Discussion of Projections and the New Weather Plotting Charts of the Weather Research Center," Publication of the Weather Information Branch, Vol. V, No. 4, July 1942, 15 pp. (Letterpress) *

108. "Greenland from the Standpoint of Synoptic Meteorology," by F. Loewe, reprinted from Quarterly Journal of the Royal Meteorological Society, Vol. 62, No. 266, July 1936, pp. 359-377. *

113. "The Possibility of Using the Relationships Between Turbidity Factors and Air Bodies for Practical Weather Analysis" (Die Verwendungsmöglichkeit der Relationen zwischen Trübungsfaktoren und Luftkörpern für die praktische Wetteranalyse), by W. Grundmann and O. Moese, Annalen der Hydrographie und Maritimen Meteorologie, Vol. 59, 1931, pp. 253-261. Translated by Weather Research Center, 1942, 20 pp. (Typescr) (ATI-120333) *

118. "Aeronautical Meteorology" (Flugmeteorologie), by Walter Georgii. Akademische Verlagsgesellschaft MBH, Leipzig, 1927. Translated by Weather Research Center, 1942, 405 pp. (Typescr) photostat figs. (ATI-120867) *

140. "Climatic Charts for Alaska," Publication of the Weather Research Center, Directorate of Weather, July 1942 (Lithopr) * (Redesignated AWS SS-4, Rescinded Apr 60)

141. "Geography of the Indian and Pacific Oceans" (Geographie des Indischen und Stillen Ozeans), by Gerhard Schott, Verlag von C. Boysen, Hamburg 1935. Chapters IV-IX only. Translation by Weather Research Center, July 1942, Vol. I, 151 pp. (Typescr) maps figs., Vol. II, Chapters 8-9, 283 pp. (Typescr) figs. (ATI-110384/ATI-113163) *

Weather Division (Cont'd)Report No.

142. "Wind Factors Over the Pacific Ocean and Aircraft Soundings at Selected Terminals," circa 1943. (Redesignated AWS SS-5, Rescinded 15 June 1949)

143. "(U) Summary of Meteorologic and Oceanographic Factors Affecting Invasion of the Channel Coast of France." (Typescr) figs. (CONFIDENTIAL) (Available in Climatic Center)

144. "The English Channel, Part I: Oceanography," Publication of Directorate of Weather, Vol. IV, No. 2, November 1942, 105 pp. (Letterpress) (Redesignated AWS SS-35A, Rescinded June 1949); "The English Channel, Part II: Meteorology and Climatology," Publication of the Weather Information Branch, Vol. IV, No. 2, September 1943, 75 pp. (Lithopr) (Redesignated AWS SS-35B, Rescinded June 1949) *

146. "Weather and Aerial Operations in the Western Aleutian Islands," Publication of the Weather Research Center, Directorate of Weather, July 1942, 6 pp. (Multilith) *

161. "Practical Weather Analysis" (Die Praktische Wetteranalyse), by Gerhart Schinze, Archiv der Deutschen Seewarte, Vol. 52, No. 1, Hamburg, 1932. Translated by Weather Research Center, August 1942, 182 pp. (Typescr) (ATI-110385) *

162. "Use of Wing De-Icing Boots Over the Northern Hemisphere." Supplement: "Use of Wing De-Icing Boots Over the World and World Distribution of Some Freezing Level Contours." (Typescr) figs. (M)

168. "The Air Masses of West Africa" (Les Masses d'Air de l'Quest Africain), by Henry Hubert, Physique du Globe de la France D'Outre-Mer, No. 26, February 1938. Translated by Weather Research Center, August 1942, 45 pp. (Ditto) plus figs. (ATI-117990) *

169. "Climate of Northern Africa," circa 1943. (Redesignated AWS SS-6, Rescinded May 1948) Prepared by Statistics Division, USWB.

178. "Preliminary Oceanographical Report on the Northeast Coast of Africa Between Cape Spartel and Cape Mogador." Supplement: "Tide and Illumination Diagrams." (Typescr) figs. (M)

178A. "Relative Time Differences for Swell." (M)

180. "Survey of the Climate of the Arctic" (Übersicht über das Klima des Polarmeeres und des Kanadischen Archipels), by H. U. Sverdrup. In: "Climate of the Canadian Archipelago and Greenland" (Klima des Kanadischen Archipels und Grönlands), Handbuch der Klimatologie, Band II, Teil K, ed. by Koppen and Geiger, Berlin, 1935. Transl. and revised by Weather Information Service, May 1943, 36 pp.

Weather Division (Cont'd)Report No.

180. "Climate of the Greenland Inland Ice" (Klima des Grönlandischen Inlandeises), by F. Loewe. Translated and adapted from: "Climate of the Canadian Archipelago and Greenland" (Klima des Kanadischen Archipels und Grönlands) Handbuch der Klimatologie, Band II, Teil K, ed. by Koppen and Geiger, 1935. Translated by Weather Information Branch, May 1942, 69 pp. *

185. "Visibilities Near and Above Berlin (Germany)," Publication of the Weather Research Center, Directorate of Weather, September 1942, 11 pp. (Ditto) plus figs. * (Redesignated AWS TR 105-19, Rescinded)

188. "Climatology of Central and Southern Europe" (Klimakunde von Mittel und Sudeuropa), by E. Alt, Handbuch der Klimatologie, Vol. 3, Part M, Berlin, 1932. Translation by Weather Research Center, 1942, 320 pp. (Typescr) figs. missing. (ATI-113115) *

192. "The Weather Factor in Bombing Germany From English Bases." (Incl. data on such operations on Britain From German-held bases.) (Typescr) (M)

193. "The Strategic Aspects of Balkan Climate." Special Series No. 2, Printed by Univ. of Chicago, for Weather Information Branch. (Lithopr)

194. "Cloud Atlas." (M)

197B. "Flying Weather Darwin to Timor and Guadalcanal to Truk," prepared by Statistics Division, U.S. Weather Bureau, in cooperation with Weather Directorate, January 1943, 11 pp. (Typescr) *

198. "Studies on the Doldrum Belt of the Atlantic Ocean" (Untersuchungen über der Kalmenzone des Atlantischen Ozeans), by W. Schnapauff, Veröffentlichungen des Meteorologischen Instituts der Universität Berlin, Band 11, Heft 4. Translated by Weather Information Service, March 1943, 33 pp. (Lithopr) (ATI-113162) *

211. "The Determination of Altitude by Use of the Temperature at the Boiling Point of Distilled Water." (Typescr) (M)

213. "The Accumulation of Ice Upon Exposed Structural Members in Greenland." (Typescr) (M)

220. "The Russian Winter," prepared by Climatological Division, Directorate of Weather, October 1942, 6 pp; incomplete. (Typescr) plus 59 figs.*

221. "Hydrographic Data for Italian Streams," circa 1944. (Redesignated AWS SS-7, Rescinded May 1948) (M)

Weather Division (Cont'd)Report No.

227. "The Relation Between Average Monthly Cloudiness and the Average Number of Clear and Cloudy Days," prepared by Climatological Division, Directorate of Weather, October 1942, 7 pp. incl. figs.* (Redesignated AWS TR 105-20) (ATI-65125)

231. "Map: 16th Weather Region, Showing Army Installations including those of the Army Air Forces, Ground Forces and Services of Supply." (M)

234. "Map: 4th Weather Region, Showing Army Installations including those of the Army Air Forces, Ground Forces and Services of Supply." (M)

235. "Map: 1st Weather Region, Showing Army Installations including those of the Army Air Forces, Ground Forces and Services of Supply." (M)

236. "Map: 2nd Weather Region, Showing Army Installations including those of the Army Air Forces, Ground Forces and Services of Supply." (M)

237. "Map: 3rd Weather Region, Showing Army Installations including those of the Army Air Forces, Ground Forces and Services of Supply." (M)

238. "The Strategic Aspects of the Italian Climate." Special Series No. 4, Printed by Univ. of Chicago for Weather Information Branch. (M)

239. "Method for Forecasting Swell," Publication of the Weather Research Center, Directorate of Weather, Vol. VI, No. 4. (M)

245. "Weather Conditions Affecting Incendiary Bombing of Japan," prepared by Statistics Division, U.S. Weather Bureau, under the direction of the Weather Information Service, May 1943, 136 pp. (Lithopr) *

249. "Climate of Italy," by E. Alt. (Excerpt from Wea. Div. Report No. 188) In: Handbuch der Klimatologie, Part M, Vol. 3, Berlin, 1932. Transl. by Weather Research Center, November 1942, 9 pp. (Mimeogr) *

251. "Climatic Atlas of Italy," Univ. of Chicago, 1942 (Photostat) *

259. "Weather Conditions Affecting Incendiary Bombing of Germany," prepared by Statistics Division, U.S. Weather Bureau, under the direction of Weather Information Service, n.d. 79 pp. (Lithopr) *

260. "Weather Conditions Affecting Incendiary Bombing of Italy," prepared by Statistics Division, U.S. Weather Bureau, under the direction of Weather Information Service, June 1943, 53 pp. (Lithopr) *

268. "The Strategic Aspects of the Climate of Southern France." Special Series No. 3, Printed by Univ. of Chicago for Weather Information Branch, 1943. (Lithopr)

Weather Division (Cont'd)Report No.

270. "Wing Icing Conditions Throughout the World," prepared by Statistics Division, U.S. Weather Bureau, under the direction of Weather Information Branch, September 1943, 40 pp. (Lithopr) * (Redesignated AWS SS-8, Rescinded Apr 60)

273. "Amplification of the Concept of Symmetry in Pressure Curves" (Eine Erweiterung des Begriff es der Symmetrie der Luftdruckkurven), by E. Wahl, Meteorologische Zeitschrift, Vol. 56, No. 12, December 1939, pp. 445-452. Translated by Climatology Division, December 1943, 26 pp. (Typescr) figs. (ATI-120332) *

274. "Symmetries and Periods of Temporal Course of the Barometric Mean Temperature on the Lower Half of the Troposphere" (Symmetrieeen und Perioden im zeitlichen Verlauf der barometrischen Mittel-temperatur der unteren Troposphärenhalbte), by E. Wahl, Meteorologische Zeitschrift, Vol. 57, No. 1, 1940, pp. 1-5. Transl. by Climatology Division, December 1942, 15 pp. (Typescr) (ATI-137165) *

275. "Investigations of the Morphology of Atmospheric Pressure Curves" (Untersuchungen über die Morphologie von Luftdruckkurven), by K. Stumpff, Meteorologische Zeitschrift, Vol. 55, No. 7, July 1938, pp. 237-250. Transl. by Climatology Division, December 1942, 32 pp. (Typescr) figs. (ATI-113151) *

276. "Symmetry Point and Weather Map Symmetry" (Symmetriepunkt und Wetter-kartensymmetrie), by F. Model, Veröffentlichungen des Geophysika-lischen Instituts der Universität Leipzig, Second Series, Spezialarbeiten aus den Geophysikalischen Institut und Observatorium, Vol. XI, Part 2, 1938. Transl. by Climatology Division, December 1942, 98 pp. (Typescr) figs. (ATI-110394) *

300. "Sky Brightness and Illumination Data for Scandinavia, European Russian and the Arctic," prepared for the Directorate of Weather, in cooperation with the Statistics Division, U.S. Weather Bureau, W.B.S.R. 196, February 1943, 22 pp. (Typescr) plus fig. * (Redesignated AWS TR 105-21, July 1946, Rescinded 1949)

305. "Maps: Weather Regions." (No record)

309. "Weather Charts of the Army Air Forces," prepared by Climatological Division, March 1943, 25 pp. (Lithopr) *

310. "The Strategic Aspects of the Climate of the Iberian Peninsula." Special Series No. 5, Printed by Univ. of Chicago for Weather Information Branch, 1943. (Lithopr)

311. "The State of the Sea Along the Coast of Spanish Morocco." (Typescr) (M)

Weather Division (Cont'd)Report No.

311A. "Use of Charts for Relative Time Differences for Swells." (No record)

313. "Notes of Occurrence of Dust in the Atmosphere and Data on Maximum Dewpoints. Summary: Notes on Desert Sand and Examples of High Dewpoints." (Typescr) (M)

318. "Climatology of Alaska," prepared for the Directorate of Weather, in cooperation with the Statistics Division, U.S. Weather Bureau, W.B.S.R. 208, October 1944, 61 pp. (Typescr) plus 134 pp. figs. tables. * (Redesignated AWS SS-13, Rescinded Apr 60) (ATI-73175)

320. "Climatology of Central America" (*Klimakunde von Mittelamerika*), by K. Sapper, from *Handbuch der Klimatologie*, Vol. 2, Part H, Berlin, 1932. Translated by Army Air Corps Weather Service, 113 pp. (Lithopr) (ATI-199491) *

334. "Growth and Dissipation of Wind Waves," 18 plates, 1943. *

335. "Simplified Discussion of Weather Types." (Typescr) figs. (M)

342. "River Conditions in Southern France," prepared by Statistics Division, U.S. Weather Bureau, for the Weather Division, February 1944, 6 pp. (Lithopr) *

345. "Weather Analysis of the Tropical Atlantic," Vols. I and II. (Series of various translations from French and German, prepared by New York University) (ATI-117993) (ATI-117995) (ATI-117992) (ATI-117996) (ATI-117994) (ATI-117991). *

347(Rev.) "Soil Trafficability in Military Operations," Publication of the Weather Information Branch, September 1943, 25 pp. incl. fig. (Lithopr) *

353. "Investigations on the Symmetry Properties of Atmospheric Pressure Curves" (*Untersuchungen über die Symmetrie Eigenschaften von Luftdruckkurven*), by K. Stumpff, *Veröffentlichungen des Meteorologischen Instituts der Universität Berlin*, Vol. 3, No. 1, 1938. Translated by Climatology Division, n.d. 52 pp. (ATI-110381) *

354. "Wind Roses for the South Atlantic," prepared for Weather Information Branch by Statistics Division, U.S. Weather Bureau, January 1944, 32 pp. (Lithopr) *

364. "A Logical Analysis of the International Cloud Classification System," by W. Howell. (M)

365. "On the Thermal Structure of Stratus Clouds." (M)

Weather Division (Cont'd)Report No.

366. "Manual of Meteorological Instruments and Their Evaluations" (Handbuch der Meteorologische Instruments und ihrer Auswertung), by E. Kleinschmidt, et al., Berlin, 1935. Translation by Special Branch, 1943, 1,654 pp. illus., tables. (Microfilm) (ATI-120944)

378. "Sand Bearing Winds and Mud Rains" (Vents de Sable and Pluies de Boue), by H. Ch. Combier and L. Petitjean, Mémoires de l'Office National Météorologique, No. 27, 1937. Translated by C. Munsch, AAF Library, n.d. 149 pp. (Typescr., and photostat figs.) (ATI-27858) *

381. "List of Stations: 7th Weather Region." (M)

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386. "Glossary of Sea Ice." (M)

387. "Weather Stations of 15th Weather Region," Publication of the Weather Research Center, Vol. VIII, No. 1. (No record)

389. "List of Stations of the 17th Weather Region," Publication of the Weather Research Center, Vol. VIII, No. 2. (No record)

394. "Meteorologic and Oceanographic Study of the Kurile Island Area." (Typescr) (Redesignated AWS SS-9, Rescinded April 1960) (ATI-65131)

399. "Instructional Directives for Meteorologists of the Central Bureau of the Meteorological Service" (Instruktivnye ukazaniya dlja meteorologov U.G.M.S.), Moscow, 1941. Translation by Weather Information Service, 1943, 52 pp. (Typescr) (ATI-113127) *

400. "Manual of Climatology," by B. P. Alisov, et al., Hydrometeorological Publications, Leningrad, 1940. Seven Chapters. Chapter I: Climatology (ATI-120329); Chapter II: Formation and Classification of Climates (ATI-120330); Chapter III: Microclimate (ATI-120328) Chapter IV: Climates of Continents and Oceans (ATI-120327); Chapter V: Change and Fluctuations of Climate (ATI-120326); Chapter VI: Methods of Climatological Processing of Observations (ATI-120325); Chapter VII: Climate and the State Economy (ATI-120324). Translated by Weather Division [1943?], 1022 pp. (Typescr) figs. *

Weather Division (Cont'd)Report No.

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402. "Instructions for Issuance, Verification and Evaluation of Hydrological Forecasts" (Instruktsiia dlia vypusla, ucheta i otseki digrologicheskikh prognozov). Published by Central Bureau of the Hydrometeorological Service of the Red Army, Sverdlovsk, 1942. Translated by Weather Information Service, n.d. [1943?] 78 pp. (ATI-120334) * (PB-89,546)

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Murman (Barents) Sea, 160 pp.
Siberian Sea incl. Chukchees Sea, 254 pp.
Sea of Okhotsk, 129 pp.
Sea of Japan, 58 pp.
White Sea, 6 pp.

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433. "Army Air Forces and British Admiralty Methods for Forecasting Sea Swell Compared with Observations on the Coast of Morocco." (No record)

444. "Climatic Atlas for Alaska," prepared by Climate and Crop Weather Division, U.S. Weather Bureau for Weather Information Branch, September 1943, 229 pp. (Lithopr) * (Redesignated AWS SS-12, Rescinded Apr 60)

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470. "Some Aspects of Japanese Bombing Problems." (Typescr) (M)

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Weather Division (Cont'd)Report No.

473. "Weather Conditions Affecting the Target Area of Indo-China, Thailand, Burma, Malay States, and Occupied Southern China," Publication of the Weather Information Branch, November 1943, 10 pp. (Lithopr) * (Redesignated AWS SS-16, Rescinded Apr 60) (ATI-93842)

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479. "The Weather and Climate of Hokkaido," prepared by Weather Information Branch, November 1943, 24 pp. (Lithopr) * (Redesignated AWS SS-17, Rescinded Apr 60) (ATI-114518)

493. "Sunshine-Operated Stills and Rainfall as Sources of Water for Life Rafts," prepared by Weather Information Branch, September 1943, 6 pp. (Typescr) plus figs. * (Redesignated AWS SS-18, Rescinded Apr 60) (ATI-65150)

501. "Snow Cover in European Part of U.S.S.R." (Typescr) figs. (M)

505. "Pan-American Union Meteorologic Questionnaire for S. America." (Typescr) (M)

507. "Simultaneous Ceilings at Reykjavik and Akreyri, Iceland," prepared by Statistics Division, U.S. Weather Bureau, S.R.9, 1942, 2 pp. (Lithopr) * (Redesignated AWS TR 105-23, Rescinded 1948)

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Weather Division (Cont'd)Report No.

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572. "Forecast and Report Codes of U.S.S.R," Sect. II of Compilation of the Hydrometeorological Codes, Issue I, USSR, People's Commissariat for the Defense of the USSR. Translation pp. 123-190 of Sect. II, Russian Text, covering KII Codes, 99 pp. incl. diagrams. (Various types of printing)

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581. "The Weather and Climate of Formosa," prepared by Weather Information Branch, November 1943, 15 pp. (Lithopr) *

582. "Mean Freezing Level Contours; Burma Coastal Fog Data," prepared for Weather Division by Statistics Division, U.S.W.B., March 1944, 2 pp. (Mimeoogr) plus maps, tables. *

585. "The Weather Factor in Bombing of German, Balkan, and Norwegian Targets," prepared by Weather Information Branch, December 1943, 8 pp. (Mimeoogr) *

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590. "Weather Affecting Amphibious Operations on the West Coast of Formosa," prepared by Weather Information Branch, October 1943, 20 pp. (Lithopr) *

Weather Division (Cont'd)Report No.

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600. "Studies on Local Forecasting." This is a series consisting of 280 separate studies on many stations and each study is assigned a sub-number, 600-1, 600-2, etc. (See special list appended to this section of this bibliography.) *

602. "Short-Range Forecast Verification Program," prepared by Verification Branch, November 1943, 31 pp. (Lithopr) * (Redesignated AWS TR 105-26A, Rescinded Sep 56) (ATI-29456)

602A. "Supplement I: Short-Range Forecast Verification Program," prepared by Verification Section, June 1944, 11 pp. (Lithopr) * (Redesignated AWS TR 105-26B, Rescinded Sep 56) (ATI-72480)

604. "Ideal Station Spacing for Meteorology," by R. G. Stone, Weather Information Branch, November 1943, 4 pp. (Typescr) plus chart. * (Redesignated AWS TR 105-27, Rescinded Sep 60) (ATI-65148)

605. "Clouds of the Aleutian Islands," prepared by Weather Central, Alaska, 8 September 1943, 31 pp. illus. * (Reprinted by Weather Information Branch, November 1943) (Redesignated AWS TR 105-28) (ATI-72475)

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Weather Division (Cont'd)Report No.

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614. "Preliminary Instruction Manual: Weather Forecasting for Radar Operations," prepared by Weather Division, March 1944, 60 pp. incl. figs. tables. * (Redesignated AWS TR 101-1, Rescinded June 1949) (ATI-114523)

615. "Verification of Method of Estimating Ceilings Below 1000 Feet," prepared by Verification Section, Weather Information Branch, November 1943, 4 pp. (Typescr) *

618. "The Higher Level Deformation Field and Their Part in the Cyclogenesis and Anticyclogenesis," by Kh. P. Pogosian and N. L. Taborovskii, Meteorologija i Gidrologija, No. 4, April 1940. Translation by Weather Division, n.d., 34 pp. (Typescr) figs. missing. (ATI-120337) * (PB-89,480)

619. "Average and Actual Distribution of Energy in the Atmosphere," by Kh. P. Pogosian and N. L. Taborovskii, Meteorologija i Gidrologija, No. 9, September 1940. Translation by Weather Division, n.d., 27 pp. (Typescr) figs. missing. (ATI-120336) * (PB-89,479)

620. "Transformation of Air Masses and the Dynamic of Atmospheric Processes," by Kh. P. Pogosian and N. L. Taborovskii, Meteorologija i Gidrologija, No. 4, April 1940. Translation by Weather Division, n.d., 14 pp. (Typescr) figs. (ATI-110454) * (PB-89,482)

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629. "Aerological Conditions of Development and Extinction of Cyclones," by Kh. P. Pogosian and N. L. Taborovskii, Meteorologija i Gidrologija, No. 12, December 1939. Translation by Weather Division, n.d. 53 pp. (Typescr) figs. (ATI-113170) * (PB-89,478)

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(Lithopr) *

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(Mimeoogr) * (Redesignated AWS TR 105-36A) (ATI-70924)
"Part II: Synoptic Aspects of the Climate of Japan: A Preliminary Report," prepared by Weather Division, March 1955, 145 pp. (Mimeoogr)
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644. "Weather and Climate as Related to Military Operations in France," prepared by Weather Division, April 1944, 148 pp. (Letterpress) *
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653. "Some Examples of Ideal Synoptic Situations for the High-Level Bombardment of Southern Germany from Bases in Southern Italy During the Months of January through April." (No record)

655. "The Weather Factor in Bombing of Japanese Targets," prepared by Weather Information Branch, January 1944, 7 pp. (Mimeoogr) *

669. "Critique of Verification of Weather Forecasts (with annotated bibliography)," prepared by Forecast Branch, Weather Division, January 1944, 84 pp. figs. (Lithopr, ditto and photo) (Redesignated AWS TR 105-6) (ATI-70922)*

672. "Weather Conditions Affecting Chemical Warfare During the Time of Actual Engagements in Certain Pacific Areas." (No record)

Weather Division (Cont'd)Report No.

691. "Study on Summer Fog and Stratus Along the Norwegian Coast." (M)

692. "Synoptic Study of Registering-Balloon Ascents Made During the Period October 17-19, 1935, in Connection with the International Aerological Week" (Synoptisch-Aerologische Bearbeitung der Internationalen Registrerballonaufstiege in Europa in der Zeit 17-19 Oktober 1935), by A. Nyberg and E. Palmen, Geografiska Annaler, No. 1-2, 1942. Translated by Military Intelligence Division, March 1944, 46 pp. (Lithopr) (ATI-113157) *

696. "Estimate of Tactical Aircraft Operations, Italian Theater, October 15, 1943 to January 1, 1944." (M)

697. "The Depth of the Snow Cover in Northern Germany" (Die Hohe der Schneedecke in Nord-Deutschland) by G. Lachmann and G. Schwalbe, Meteorologische Zeitschrift, Vol. 33, No. 7, 1916. Translation by Military Intelligence Service, 1944, 14 pp. (Typescr) (ATI-120882)*

700. "Station Index Numbers: Weather Reports." (No record)

702. "Part Played by Stratosphere in Steering of Cyclones and Anticyclones According to Theory of Singular Advection of the First Order" (Der Anteil der Stratosphäre an der Steuerung der Zyklonen und Antizyklen auf Grund der Theorie der Singulären Advektion Erster Ordnung), by Fritz Lucht, Meteorologische Zeitschrift, Vol. 58, No. 1, January 1941. Translated by AAF Library, May 1944, 28 pp. (Mimeoogr) (ATI-27959) *

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708. "Determination of Absolute Height and Wind for Aircraft Operations," prepared by Weather Division, April 1944, 69 pp. (Mimeoogr) plus chart. *

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709. "Final Report on the Use of Symmetry Points in the Pressure Curves for Long-Range Forecasting," by B. Haurwitz, March 1944, 7 pp. (Mimeoogr) (Redesignated AWS TR 105-7) ATI-112490) *

711. "The Frequency of Sub-Zero Temperatures in Eurasia, With Notes on the Interpretation of Maps Showing Surface Temperatures." (Typescr) figs. (M)

Weather Division (Cont'd)Report No.

713. "Haze Layers in the Free Atmosphere as Observed by Aerological Stations (in Germany)" (Ueber die Dunstschichten in der freien Atmosphäre nach Beobachtungen der Wetterflugstellen), by W. Peppler, Beitrage zur Physik der freien Atmosphäre, Vol. 24, 1938, pp. 260-269. Translated by AAF Library, March 1944, 6 pp. (Ditto) plus figs., tables. (ATI-27891) *

714. "Variability of Pressure and Compensation" (Druckveränderlichkeit und Kompensation), by H. Mollwo, Beitrage zur Physik der freien Atmosphäre, Vol. 23, 1936. Translated by AAF Library, March 1944, 11 pp. (Ditto) * (ATI-27890)

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716. "Note on the Uses of the Charts Entitled Climatic Zones of the World [Q M Corps]," March 1944, 5 pp. (Mimeoogr) * (Redesignated AWS SS-24, Rescinded Apr 60)

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729. "Stations in the Western Hemisphere With Conditions in the Lower Layers of the Atmosphere Similar to those at Selected Stations in the Eastern Hemisphere." (Typescr) (M)

730. "Forecasting by Statistical and Synoptic Extrapolation," prepared by Forecast Branch, May 1944, 318 pp. (Lithopr) * (Redesignated AWS TR 105-30, Rescinded Sep 56) (ATI-114521)

735. "Weather Forecasting for Artillery Fire," May 1944, 53 pp. (Lithopr) * (Redesignated AWS TR 105-90-1, Changed to AWS TR 333-5 in 1951, Rescinded Jun 49) (ATI-84771) *

736. "The Air Masses in the Japanese Regions" (Die Luftmassen in den Japanischen Gebieten), by H. Arakawa, Meteorologische Zeitschrift, Vol. 54, 1937. Translated by AAF Library, April 1944, 13 pp. (Lithopr) (ATI-27956) *

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738. "Frequency of Location of the Centers of Low Pressure Systems Over the North Atlantic Ocean," April 1944, 13 pp. (Lithopr) *(Redesignated AWS SS-26, Rescinded Apr 60) (ATI-118261)

741. "Gas Warfare Study of the Southern Half of the Japanese Islands: The Weather Factor." (Typescr) (M)

749. "Weather Affecting Bombing Operations in the Okayama Area," May 1944, 8 pp. (Mimeogr) plus figs. *

754. "Airplane Landings on Ice," by K. A. Moskatov, Transactions of the Arctic Institute for Scientific Research, Vol. 110, 1938. Transl. by Weather Division, February 1945, 14 pp. (Mimeogr) (ATI-20454) *

760. "Weather as Related to the Release by the Japanese of Unmanned Balloons Reaching the United States," January 1945, 2 pp. (Typesscr)*

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762. "(U) Report on Radar-Weather Program in England." (CONFIDENTIAL) *

768. "A Comparison of Areas in North America with other Areas in the Northern Hemisphere with regard to Departures from the Mean of Ballistic Density Factors at Various Levels," June 1944, 3 pp. (Typescr) plus map. *

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776. "Comments on 'Weather Intelligence for Planning - Far East' J.P.(44) 143 (O) (War Cabinet, Joint Planning Staff)." (Typescr) (M)

777. "Soil Trafficability in Southern Kyushu." (Typescr) map. (M)

786. "Typhoons and Depressions Originating to the Near East of the Philippines," by Charles E. Depperman, Philippine Weather Bureau. Reprinted by Weather Division, July 1944, 44 pp. (Lithopr) *

787. "Typhoons Originating in the China Sea," by Charles E. Depperman. Reprinted by Weather Division, July 1944, 51 pp. (Lithopr) *

788. "The Snellius Expedition in the Eastern Part of the Netherlands East-Indies 1929-1930, under leadership of P. M. Van Riel, Vol. III: Meteorological Observations," Royal Netherlands Met. Inst., 1936. Reprinted by Weather Division, July 1944, 114 pp.

789. "Preliminary Report on Conditions Governing the Behavior of Smoke Screens at Sea," by Alfred H. Woodcock, 7 October 1943, 44 pp. incl. figs. (Mimeogr/photostat) *

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791. "Preliminary Report on Cloud Conditions Over the North Atlantic January - March 1944," by Lt. Albert W. Badanes, September 1944, 21 pp. (Lithopr) * (Redesignated AWS TR 105-8) (ATI-65138)

792. "The Climate of the Layer of Air Near the Ground" (Das Klima der bodennahen Luftschicht), by R. Geiger, Die Wissenschaft (Braunschweig, Viewig und Sohn), Vol. 78, 1927. 1st Ed. Translated by Soil Conservation Service, reduplicated from the original plates by AAF Technical Training Command Tech School, June 1943, 154 pp. Reprinted by Weather Division, July 1944. (ATI-110388) *

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 800-114. Van Nuys Mun. Aprt., California
 800-115. Abilene AAF, Texas
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 800-137. Myrtle Beach AAF, South Carolina
 800-138. Muskogee AAF, Oklahoma
 800-139. Deming AAF, New Mexico
 800-140. Geiger Field, Washington
 800-141. Buckingham AAF, Florida

Weather Division (Cont'd)List of General Climatic Information Guides (Sep 1943-Mar 1945):
(Available on microfilm at AWS Climatic Center)
Guide No.

G-1 R. Frankfurt, Germany
G-2 R. Naples, Italy
G-3 R. Genoa, Italy
G-4 R. Rome, Italy
G-5 R. Messina, Italy
G-6 R. Marseille, France
G-7. Bremen, Germany
G-8. Bucharest, Rumania
G-9. Smyrna, Turkey
G-10. Mytilini, Aegean Sea
G-11. Copenhagen, Denmark
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G-48 R. Utrecht, Netherlands

Weather Division (Cont'd)List of General Climatic Information Guides (Cont'd):Guide No.

- G-49. Jinsen, Chosen (Korea)
- G-50. Fusan, Chosen (Korea)
- G-51. Hong Kong, China
- G-52. Batavia, Netherlands E. Indies
- G-53. Oslo, Norway
- G-54. Munich, Germany
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- G-74. Mukden, Manchuria
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- G-76. Saigon, French Indo-China
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- G-78. Petropavlovsk, Kamchatka, U.S.S.R.
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- G-92. Prague, Czechoslovakia
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- G-97. Jaluit Islands, Marshall Islands

Weather Division (Cont'd)List of General Climatic Information Guides (Cont'd):Guide No.

G-98. Sumay, Guam
G-99. Davao, Philippine Islands
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G-123. Innsbruck, Austria
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G-126. Dresden, Germany
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G-128. Georgetown, Penang Islands, Malay States
G-129. Clermont-Ferrand, France
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G-134. Nimes, France
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G-138. Utsira, Norway
G-139. Bologna, Italy
G-140. Kiukiang, China
G-141. Fiume, Italy
G-142. Zara, Yugoslavia
G-143. Yuagkia (Wenchow), China
G-144. Minhow (Foochow), China
G-145. Split (Spalato), Yugoslavia

Weather Division (Cont'd)

List of General Climatic Information Guides (Cont'd):

Guide No.

- G-146. Sarajevo, Yugoslavia
- G-147. Saipan, Marianas Islands, Japan
- G-148. Omura, Chichi Islands (Bonin Is) Ogasawara Islands, Japan
- G-149. Basco, Batan Islands
- G-150. Surigao, Philippine Islands
- G-151. Hue, French Indo-China
- G-152. Pakhoin, China
- G-153. Wuchow, China
- G-154. Riksgransen, Sweden
- G-155. Labuan, North Borneo
- G-156. Legaspi, Philippine Islands
- G-157. Naze, Ryukyu Retto, Japan
- G-158. Gensan, Korea
- G-159. Husiki, Japan
- G-160. Olmutz, Moravia
- G-161. Trier, Germany
- G-162. Rost, Norway
- G-163. Kristiansand, Norway
- G-164. Alesund, Norway
- G-165. Zante (Zakynthes), Greece
- G-166. Candia (Erakleion), Greece
- G-167. Friedrichshafen, Germany
- G-168. Akitam Japan
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- G-171. Hiroshima, Japan
- G-172. Kagoshima, Japan
- G-173. Kochi, Japan
- G-174. Kyoto, Japan
- G-175. Yamagata, Japan
- G-176. Yunnanfu, China
- G-177. Changsha, China
- G-178. Calcutta, India
- G-179. Delhi, India
- G-180. Karachi, India
- G-181. Salzburg, Austria

Office ACAS, Operations, Commitments, and RequirementsItem No.Requirements Division

1. "Peacetime Development Program for Meteorological Equipment,"
[by Colonel M. Duffy], October 1944, 38 pp. (Ditto) *

Army Air Forces Board

2. (See AWS Bibl 17/2)

Office ACAS, TrainingTechnical Training DivisionMeteorological Branch

3. "The Organization, Administration and Operation of the Army Air Forces Weather Service, Weather Stations and Sections," November 1942, 144 pp. (Lithopr) *
4. "Cloud Photography," by P. L. Schereschewsky, September 30, 1943, 6 pp. (Typescr) *

Training Aids Division

5. 1 Set, 3-Dimensional Weather Maps (Cardboard Devices)
Map 1, Early Stage of Development
2, Cold-Front Type Occlusion
3, Warm-Front Type Occlusion

Office ACAS, MaterielAAF Liaison Office (Weather), to Signal Corps Ground Signal Agency

6. Preliminary Instruction Book, "Radar Storm Detection," 1945, 13 pp. (Lithopr) *
7. "Notes on Sferics Distribution and the Synoptic Map," by Lt R. C. Wanta, June 1945, 4 pp. (Typescr) plus illus. *
8. "Survey of Microwave Radar for Weather Use," May 1945, 42 pp. (Ditto) plus illus. *
9. "Radar Observation of Frontal Passage," 26 June 1944, 12 pp. (Typescr) plus manuscript charts. *

Office ACAS, Materiel (Cont'd)Item No.AAF Liaison Office (Weather), to Signal Corps Ground Signal Agency

10. "Investigation into the Practicability of Rockets for Use in Obtaining Meteorological Data," Part 2 of a Survey in 2 parts, for Capt A. F. Spilhaus, by Edwin J. Istvan, 7 February 1944, 44 pp. (Typescr) *
11. Preliminary Instruction Book, "The Use of Radar for Determining Winds Aloft," n.d. 30 pp. (Lithopr) * Superseded by "Radar Wind Computations" (prepared for the use in Mil. Sect., Specialized Training Branch, Signal Corps Ground Signal Agency) 10 May 1944, 22 pp. (Lithopr) *
12. "Weather Equipment Technician's Manual," (prepared for the use in the Mil. Sect., Specialized Training Branch) 1944. (Lithopr) *

HEADQUARTERS ARMY AIR FORCES
Numbered PublicationsAAF Manuals:

No. 6, "Weather for the Aircrew Trainee," 14 February 1944, 154 pp. (Letterpress) * (This manual supersedes TM 1-232, Apr 43)

No. 40, "Precipitation Static," 1 December 1944, 36 pp. (Letterpress) * (Redesignated AAF Manual 105-60-1, 1945)

105-101-1, "Radar Weather Reconnaissance," May 1945, 33 pp. (Letterpress) *

105-101-2, "Radar Storm Detection," August 1945, 78 pp. (Letterpress) *

105-0-2, "Tropical Meteorology," May 1945, 234 pp. (Letterpress) *

APPENDIX

U. S. WAR DEPARTMENTPUBLICATIONS ON WEATHER OR APPLICABLE TO
AAF WEATHER OPERATIONS, 1940-1946Technical Manuals:

TM 1-230, "Weather Manual for Pilots," 27 May 1940, 293 pp. (Lithopr) *

TM 1-231, "Elementary Weather for Pilot Trainees," 22 April 1942, 23 pp. (Lithopr) *

TM 1-231, "Elementary Weather for Air Crew Trainees," 10 February 1943. (This manual superseded TM 1-231, 22 Apr 42)

TM 1-235, "The Weather Observer," 29 June 1942. Supplement, 2 February 1943.

TM 1-235, "Weather Station Handbook for the Observer," 1 May 1945, 811 pp. Changes 1, and 2, 23 Oct 1945. (Letterpress) *

TM 1-240, "Arctic Manual," 1 April 1942, 74 pp. (Lithopr) *

TM 1-240, "Arctic Manual," Change 1, 17 January 1944. (This manual superseded TM 1-240, 1 Apr 42)

TM 3-240, "Chemical Warfare Weather Manual," 17 April 1944, 124 pp. (Letterpress) *

TM 3-240, "Meteorology," 7 March 1942, 51 pp. (Lithopr) *

TM 4-240, "Meteorology for Coast Artillery," 1942.

TM 11-334, "Timing and Telephone Sets ML-110, and ML-210," 28 December 1942; 5 June 1943; 20 August 1943, 28 pp. (Letterpress) *

TM 11-420, "Tables of Vertical and Horizontal Components of Distances of Pilot Balloons," 7 August 1941, 65 pp. (Lithopr) *

TM 11-421, "Ceiling Light Projectors ML-121-A, B, C, E, F, and G," 26 November 1943.

TM 11-423, "Theodolite ML-47, Tripod ML-78, Telescope ML-146, Compass ML-197," 22 June 1943.

TM 11-425, "Barographs ML-3-A, ML-3-B, ML-3-C, ML-3-D, ML-3-E, and ML-563/UM," Changes 1, and 2, 20 July 1944.

TM 11-426, "Thermographs ML-77, ML-77-B, and ML-277," 17 July 1944.

Technical Manuals (Cont'd):

TM 11-427, "Barometers ML-102-B, -D, -E, -F, -G, and ML-316/TM," Change 1, 13 November 1944.

TM 11-428, "Barometers ML-2 through ML-2-F; Cases ML-48 through ML-48-E," 17 October 1944.

TM 11-429, "Wind Equipment SCM-20-A and Wind Equipment AN/GMQ-1 and AN/GMQ-1A," Change 1, 9 September 1946, 47 pp. (Letterpress) *

TM 11-433, "Time Control Equipment RC-133," Change 1, 30 April 1945.

TM 11-900, "Power Units PE-75-C through PE-75-T," 16 November 1943, 49 pp., Change 1, 8 January 1944. *

TM 11-1158A, "Radio Set SCR-658," 27 February 1945, 192 pp. (Letterpress) *

TM 11-1324, "Radio Set SCR-584 Technical Operation," 20 December 1943, 166 pp. (Letterpress) *

TM 11-1324, "Radio Set SCR-584-A and SCR-584-B, Technical Operation, (General Description, Operating Instructions and Equipment Preference Log)," 1 April 1946. (This manual superseded TM 11-1324, 20 Dec 43)

TM 11-1424, "Radio Set SCR-584-A and SCR-584-B, Preventive Maintenance Manual," 22 March 1946.

TM 11-1524, "Radio Set SCR-584 Service, Theory, Troubleshooting, and Repair With Parts List," 10 March 1944, 960 pp. (Letterpress) *

TM 11-1524, "Radio Set SCR-584-A and SCR-584-B Service Manual Theory, Troubleshooting, and Repair," 15 July 1946. (This manual superseded TM 11-1524, 10 Mar 44)

TM 11-1563, "Radio Sets SCR-584-A and SCR-584-B with Transmitter-Receiver Modification Kit MC-607 or MC-607-A; Service Manual," Change 1, 20 June 1946.

TM 11-2403, "Installation and Maintenance of Radiosonde Receptor AN/FMQ-1."

TM 11-2404, "Operating Instructions for Radiosondes AN/AMQ-1, AN/AMQ-1A, AN/AMQ-1C, and Radiosonde Receptor AN/FMQ-1," 30 December 1944.

TM 11-2405, "Meteorological Balloons," plus Changes 1, and 2, 24 April 1944, 29 pp. (Lithopr) *

TM 11-2406, "Meteorological Station AN/TMQ-1," 1 February 1944, Change 1; Revised 11 December 1944. *

TM 11-2407, "Aerograph Equipment AN/AMQ-3," November 1944.

Technical Manuals (Cont'd):

TM 11-2408, "Aerograph Equipment AN/AMQ-2," 9 April 1945, 111 pp.
(Letterpress) *

TM 11-2409, "Mobile Meteorological Station SCM-1," 29 March 1945.

TM 11-2410, "Pilot Balloon Tables (30-gram)," 15 March 1944, 124 pp.
(Letterpress) *

TM 11-2411, "Pilot Balloon Tables (100-gram)," 10 April 1944, 125 pp.
(Letterpress) *

TM 11-2414, "Wind Indicating Equipment, Selsyn Type," 22 July 1944.

TM 11-2415, "Psychrometer Equipment ML-313/AM and ML-313A/AM," Change 1, 5 March 1945.

TM 11-2417, "Thermometers ML-4, and ML-5; Psychrometers ML-24 and ML-224; Shelters ML-41, ML-41-A, and ML-41-B," Changes, 1, and 2, 17 March 1945.

TM 11-2418, "Plotting Set AN/GHQ-3," 27 November 1944, 22 pp. (Letterpress) *

TM 11-2421, "Barometers ML-330/FM, ML-331/TM, ML-332/TM, ML-333/TM, Change 3, 27 November 1945.

TM 11-2422, "Psychrometric Calculator ML-322/UM, Change 1, 24 March 1945.

TM 11-2424, "Instruction for Modulated Audio Frequency Radiosonde Observations (WBAN RAOB Manual)," 1 February 1945, 87 pp. with Supplement S-1, "Radiosonde Observation Computation Tables and Diagrams," 51 pp. Change 1. (Letterpress) *

TM 11-2426, "Meteorological Station Set, AN/TMQ-4," 30 June 1945.

TM 11-2428, "Aerograph Calibration Set TS-407/AMQ-2," 26 October 1945.

TM 11-2602, "Frequency Standard TS-65/FMQ-1," 31 March 1944, 17 pp.
(Letterpress) *

TM 11-2693, "Static Direction Finder AN/GRD-1A," 28 September 1945, 137 pp.
(Ditto) *

TM 11-2696, "Static Direction Finder AN/GRD-1," 1 March 1945, 48 pp.
(Letterpress) *

TM 11-2699, "Balloon Assembly MX-591 ()/GR," 9 August 1945.

TM 20-240, "Meteorology for Artillery," November 1944.

Field Manuals:

Air Corps FM 1-50, "Weather," 2 May 1942, 87 pp. (Typescr) (Revised ed. by AAF, 57 pp.) *

Technical Bulletins:

TB 11-429-1, "Orienting Wind Equipment AN/AMQ-1 to Magnetic North," 27 November 1945, 2 pp. (Lithopr) *

TB 11-1158A-1, "Instruction for Use of Conversion Kit ML-354/AN With Radiosonde AN/AMQ/1 () and Radio Transmitter BC-1253," 7 February 1945, 12 pp. (Letterpress) *

TB 11-1524-12, "Radio Set SCR-584 Maintenance Parts List," 9 September 1944, 137 pp. (Lithopr) *

TB 11-2403-1, "Repair of Defective Radiosondes," 5 April 1944, 4 pp. (Lithopr) *

TB 11-2404-1, "Humidity Element for Radiosonde AN/AMQ-1 ()," 22 June 1945.

TB 11-2405-2, "Repairing Meteorological Balloons," July 1945.

TB 11-2415-1, "Adjustment of Ventilator and Psychrometer Support Psychrometer Equipment ML-313/AM," 15 March 1946.

TB SIG 36, "Use and Operation of Psychrometer Equipment ML-313/AM," 14 May 1944, 90 pp. (Letterpress) *

TB SIG 114, "Radio Sets SCR-545-A and SCR-584, Installation of Remote Data Indicator Kit MC-544," Change 1, 26 December 1944.

TB SIG 152, "Instructions for Installation and Use of Test Set I-209-A and B for Monitoring Power Unit Used With Radiosonde Receptor AN/FMQ-1," January 1945.

TB SIG 160, "Radio Sets SCR-545-A and SCR-584, Remote Data Indicator Kit NC-544, Moistureproofing and Fungiproofing Instructions," February 1945.

TB SIG 165, "Operating Instructions for Radiosondes AN/AMT-1 and AN/AMT-2," 23 March 1945, 26 pp. (Letterpress) * Change 1.

TB SIG 191, "Pilot Balloon Targets ML-306/AP, ML-307/AP, ML-307A/AP, ML-307B/AP, ML-309/AP, ML-350/AP, and Radar Calibration Target TS-88/GP," 17 July 1945, 27 pp. (Lithopr) *

TB SIG 212, "Low Temperature Lubricants for Meteorological Equipment," 9 August 1946.



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DEPARTMENT OF THE AIR FORCE
AIR FORCE COMBAT CLIMATOLOGY CENTER (AFWA)
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1. AD353247 – Least dispersion of the Mark 12 re-entry vehicle, Sep 1964.
2. AD819674 – Climatic data summaries for selected Asian and Pacific stations; Republic of Vietnam stations, Apr 1967.
3. AD256922 – Bibliography of documents prepared by weather staff sections of Headquarters Army Air Corps and Headquarters Army Air Forces, 1937-June 1945, Apr 1961.
4. AD259710 – Technical publications and documents of Air Weather Service field activities, Part one: 1945-61 with a chronology of AWS organizations, 1945-61, June 1961.
5. AD156453 – Charts of maximum and minimum thickness lines 1000/500 MB, Northern hemisphere, 1946-1950, Sep 1952.
6. AD244550 – Technical publications and documents of Air Corps and AAF Field weather activities, Part two: 1937-1945 with a chronology of AC and AAF Weather regional organizations, 1937-1945, Sep 1960.

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